

## ABSTRACT OF THE DISCLOSURE

A rotor spinning device with a contactless passive radial bearing for the spinning rotor. A damping device exerts magnetic forces on the rotor shaft (9) of the spinning rotor by means of operating elements (11, 12), and in this manner damps radially directed oscillations of the spinning rotor. The stationary operating elements (11, 12), which are embodied as magnetic elements, act directly on a magnetic element (8), which is fixedly connected with the rotor shaft (9), wherein the magnetic element (8) is an operative element of the passive bearing of the spinning rotor. A rapid, effective damping of the oscillations is possible without large expenditures .